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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/603,323	06/26/2000	Fang Sun	1179/2/2	3143	
29739	7590 05/03/2005		EXAMINER		
SMITH MOORE LLP			RAJGURU. UMAKANT K		
P.O. BOX 21927 GREENSBORO, NC 27420			ART UNIT	PAPER NUMBER	
OKELINDO	(O, 140 27420		1711		
•			DATE MAILED: 05/03/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	on No.	Applicant(s)	Y			
Office Action Summary		09/603,32	23	SUN ET AL.				
		Examiner		Art Unit				
		Umakant l	K. Rajguru	1711				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
THE - Exter after - If the - If NC - Failu	ORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUN nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comme period for reply specified above is less than thirty (3) period for reply is specified above, the maximum state to reply within the set or extended period for reply reply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	ICATION. of 37 CFR 1.136(a). In no evenuation. so) days, a reply within the statuation will apply and will, by statute, cause the apple.	ent, however, may a reply be tir utory minimum of thirty (30) day Il expire SIX (6) MONTHS from lication to become ABANDONE	mely filed  ys will be considered timely.  the mailing date of this communicated (35 U.S.C. § 133).	tion.			
Status					.			
1)⊠	1) Responsive to communication(s) filed on <u>09 February 2005</u> .							
2a) <u></u>	This action is FINAL. 2b)⊠ This action is non-final.							
3)□	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
4)⊠								
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)								
6)⊠	☑ Claim(s) <u>1-6</u> is/are rejected.							
· —	7) Claim(s) is/are objected to.							
8)[	Claim(s) are subject to restri	ction and/or election re	equirement.					
Applicat	ion Papers							
9)	The specification is objected to by the	e Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	The oath or declaration is objected t	o by the Examiner. No	te the attached Office	e Action or form PTO-152.				
Priority (	ınder 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:								
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority			<del> </del>				
	3. Copies of the certified copies			ed in this National Stage				
* (	application from the Internation see the attached detailed Office action	· ·	` ,,	od				
	bee the attached detailed Office activ	m for a fist of the certi-	neu copies not receive	eu.				
, Attachmen	t(s)							
_	e of References Cited (PTO-892)		4) Interview Summary	/ (PTO-413)				
2) D Notic	e of Draftsperson's Patent Drawing Review (F		Paper No(s)/Mail D	•				
	mation Disclosure Statement(s) (PTO-1449 or No(s)/Mail Date	P10/58/08)	6) Other:	atent Application (P10-152)				

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- 1. A response has been filed on Feb 09, 2005.
- 2. Claims being examined are 1-6.
- 3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 4. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sun et al (US 6124391) in view of Dahmen et al (US 5409771).

Sun discloses super absorbent polymers. A composition comprising such polymers in particulate form and an inorganic powder such as clay is described (abstract). The super absorbent polymer (abbreviated as SAP) is obtained by polymerizing monomers with olefinically -unsaturated carboxylic and/or sulfonic acid groups which are neutralized to at least about 25 mol% (col.5, lines 3-18). Additional useful monomers are described (in col.5, lines 19-32). Suitable crosslinking agents are set forth (in col.5, lines 33-54). The SAP may be optionally coated with a surface crosslinking agent (col.6, lines 22-26). Centrifuge rention capacity (CRC) and absorbency under load (AUL) are listed in table A bridging cols. 13 and 14. These properties satisfy the claimed ones of instant claims 5 & 6.

Sun not disclose fiber as a filler.

Dahmen discloses a powdery water-insoluble crosslinked resin which is composed of (a) 55-99.9% by wt polymerized unsaturated polymerizable acid-group containing monomers which are neutralized to at least 25 mol%. (b) 0-40% by wt polymerized unsaturated monomers, (c) 0.1% to 5.0% by wt of crosslinking agent and

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(d) 0-30% by wt of a water-soluble polymer (abstract). The resins are used in absorbent articles by mixing with fibers (col.5, lines 28-33).

It would have been obvious to use the fibers of Dahmen in place of clay in the composition of Sun with expectation of enhancing anticaking property since fiber is lighter in density than a particle of an inorganic compound like clay.

It is noted that there is a difference in the processes of making the claimed water sorptive product. Prior art process makes the (claimed) web, which is actually absorbent article in various forms as disclosed in Sun, col.7, lines 52-65. The web comprises a super absorbent (SAP) polymer and a fiber as filler (disclosed by Dahmen). The SAP is first neutralized and then mixed with fiber. Instant claim 1 requires that the SAP is first mixed with fiber and then the said mixture is neutralized.

Instant claims 1-6 are directed to a product and not to a process. A comparison of the claimed process with the prior art process does not serve to resolve the issue concerning the patentability of the product. It is the examiner's position that the product of prior art reads on the one encompassed by instant claims, in spite of the difference between the processes of making those two products. Applicants have not presented any evidence to establish that the two products are different from each other.

It is true, as the applicants have pointed out on page 5 of their above response that Sun does not use or suggest term "wet-laid". It is the examiner's position here that it is immaterial whether the said term is used or not because Sun does disclose a polymer that reads on the instantly claimed one. Dahmen, being a secondary reference does not need to use term "wet-laid".

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Umakant k. Rajguru whose telephone number is 571-272-1077. The examiner can normally be reached on Monday-Friday and 9:30a.m-6:00p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James J. Seidleck can be reached on 571-272-1078. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Rajguru/tgd

April 26, 2005

James J. Seidleck
Supervisory Patent Examiner
Technology Center 1700